

# Influenza Update: April 15, 2017

Influenza activity continues to be slowing in King County. The percent of visits to King County emergency departments (ED) for influenza-like illness (ILI) were below baseline levels among all age groups. ED admissions for ILI were higher this season than for each of the previous 5 seasons, with the greatest burden of admissions among adults age 65+ years. The magnitude of ED admissions for ILI has been on a decreasing trend for the past two months and is currently at levels observed during non-influenza periods.

## At a glance

	Current week	Since Sep 25, 2016
<b>Laboratory-confirmed influenza deaths</b>	1	81
<b>Percentage positive influenza tests by PCR<sup>1</sup></b>	8.5%	Season peak: 27.3%
Number of labs reporting	4	Weekly average: 5
Number of specimens tested	283	Weekly average: 788
<b>Percentage of emergency department (ED) visits for ILI<sup>2</sup></b>	1.2%	Season peak: 7.1%
<b>Respiratory disease outbreaks at long-term care facilities (LCTFs)</b>	0	91
Laboratory-confirmed LTCF influenza outbreaks	0	91

<sup>1</sup>Based on King County hospital laboratory and sentinel provider submissions to CDC's National Respiratory and Enteric Virus Surveillance System (NREVS). NREVS data not available for previous seasons due to change in reporting procedures.

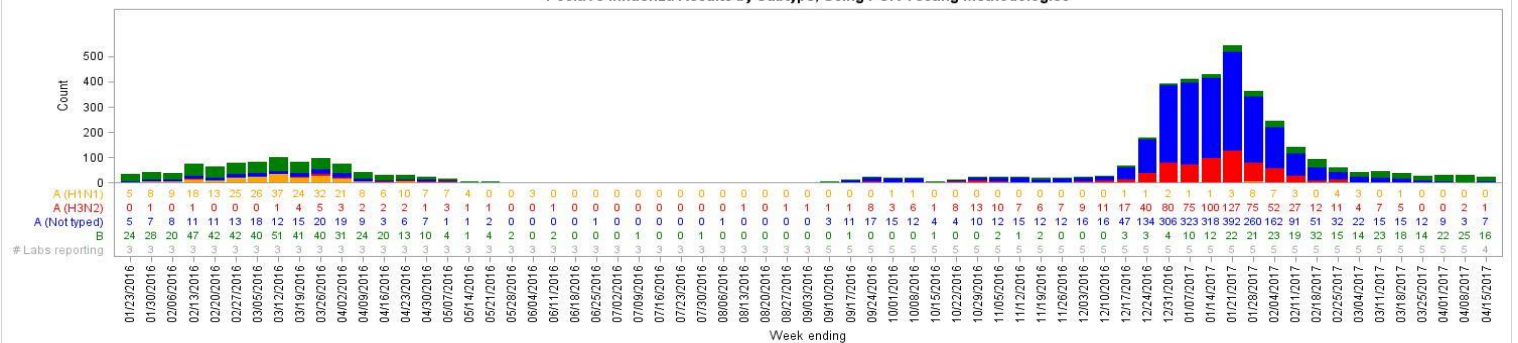
<sup>2</sup>Based on Public Health - Seattle & King County's syndromic surveillance data representing aggregate percent of visits to King County EDs.

## Submissions to NREVS by King County labs and sentinel providers

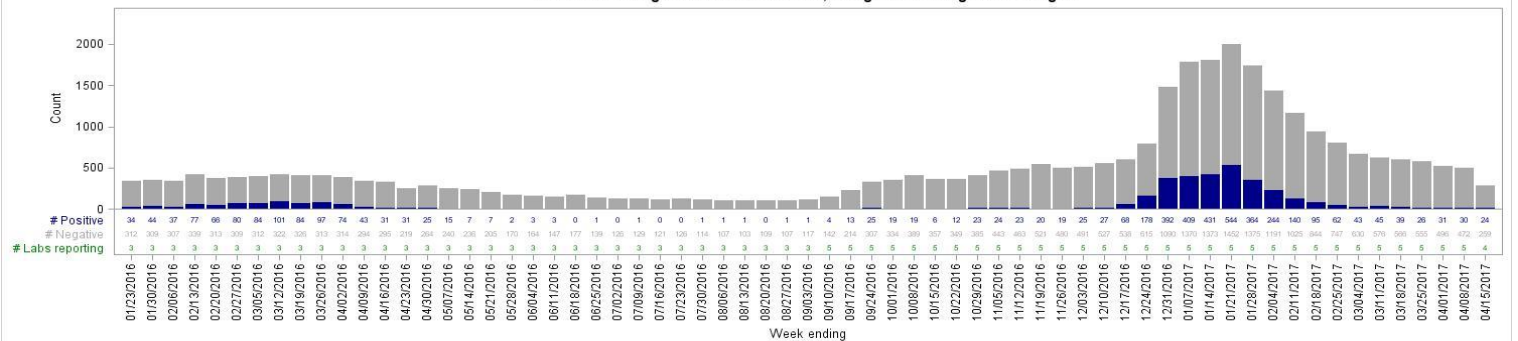
Week #	Week ending	Methodology	# Labs reporting	A (H1N1)	A (H3N2)	A (Not typed)	B	# Tested	% Flu positive
12	3/25/2017	AG	4	0	0	0	5	82	12.2
		PCR	5	0	0	12	14	581	4.5
		VI	2	0	0	0	0	24	0
13	4/1/2017	AG	3	0	0	0	0	13	0
		PCR	5	0	0	9	22	527	5.9
		VI	2	0	1	1	0	18	11.1
14	4/8/2017	AG	3	0	0	0	0	24	0
		PCR	5	0	2	3	25	502	6
		VI	2	0	0	1	0	23	4.3
15	4/15/2017	AG	3	0	0	0	0	21	0
		PCR	4	0	1	7	16	283	8.5
		VI	1	0	0	0	0	21	0

Methodologies: AG=Antigen; PCR=Polymerase Chain Reaction; VI=Viral Isolation

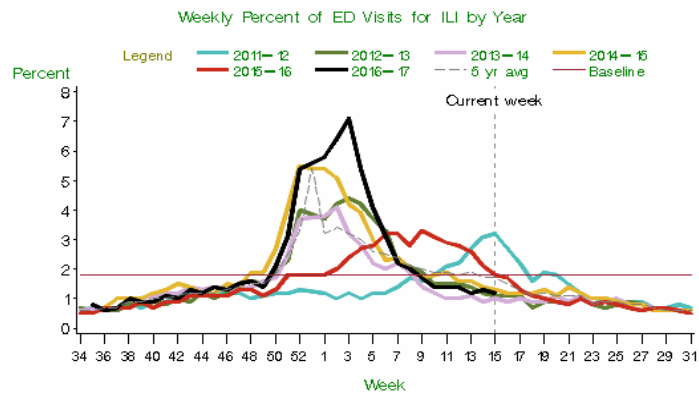
Positive Influenza Results by Subtype, Using PCR Testing Methodologies



Positive and Negative Influenza Results, Using PCR Testing Methodologies



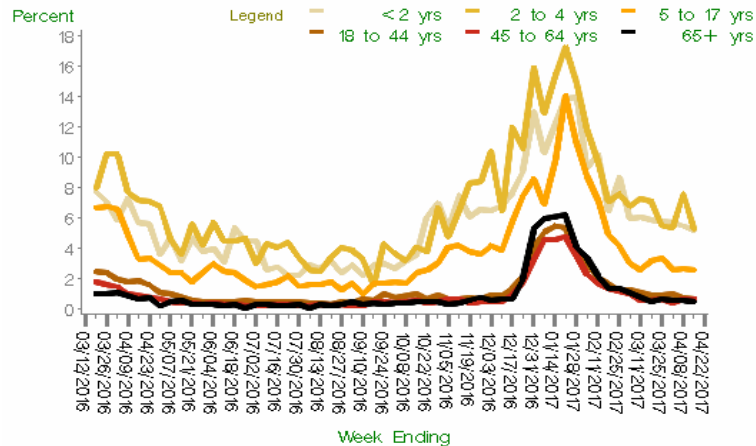
## King County syndromic surveillance system



Note: The change from ICD-9 to ICD-10 codes in October 2015 may impact trends.  
 Last updated Apr 16, 2017 ; 'current week' is week ending Apr 15, 2017  
 Baseline: Mean % ILI during non-flu weeks for previous three seasons, adding two standard deviations.  
 Using rapid antigen data, a non-flu week is a period of 2+ consecutive weeks where each one accounted for <2% of the season's total number of specimens that tested positive for influenza.

All ages

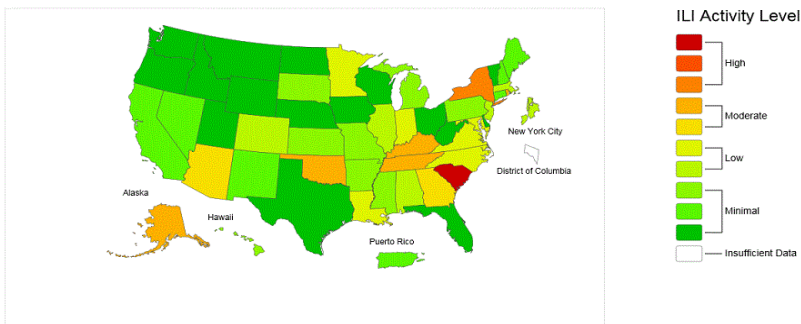
## Weekly Percent of ED Visits for Influenza-Like Illness By Age Group



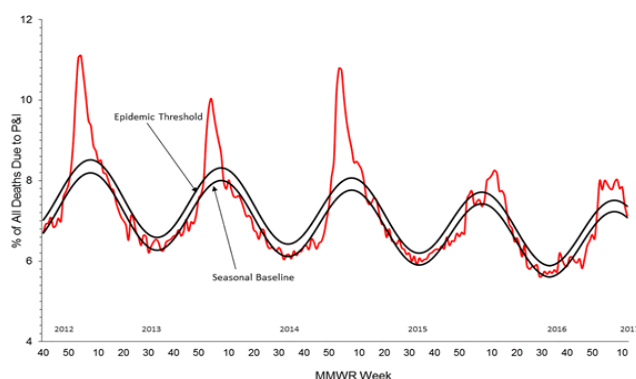
ALLHOSPITALS, Last Updated Apr 17, 2017

## National data from CDC

### Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2016-17 Influenza Season Week 14 ending Apr 08, 2017



### Pneumonia and Influenza Mortality from the National Center for Health Statistics Mortality Surveillance System Data through the week ending March 25, 2017, as of April 13, 2017



### Please report any of the following:

- Laboratory-confirmed influenza-associated deaths
- Patients with novel or unsubtypable influenza viruses
- Outbreaks of influenza-like illness in a long-term care facility

Phone: (206) 296-4774

Fax: (206) 296-4803

### Reporting Timeframe

Within 3 business days

Immediately

Immediately

### Resources

[Additional King County Flu Information, Resources, and Surveillance](#)

[UW Virology Laboratory Respiratory Virus Surveillance](#)

[Washington State Influenza Surveillance Update](#)

[National Influenza Update](#)

[Global Influenza Update](#)

